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| S19 | 268 | 717/158.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/28 14:55 |
| S20 | 0 | (business adj1 (logic flow)) with profil$3 with optimiz$6 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/28 14:55 |

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| S25 | 3 | ("5301320" \| "5630069" \| "5721913").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/09/29 09:50 |
| S26 | 25 | (calculus) same optimi$7 with (continuous dynamic profil$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/29 09:53 |
| S27 | 8 | (workflow (work adj1 flow) (business adj1 (process flow logic))) same optimi$7 with (continuous dynamic profil$3) same execut$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/29 10:55 |

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1 An asynchronous rule-based approach for business process automation using obligations

Alan Abrahams, David Eyers, Jean Bacon

October 2002 **Proceedings of the 2002 ACM SIGPLAN workshop on Rule-based programming**

Full text available: pdf(498.93 KB) Additional Information: full citation, abstract, references, index terms

The Edee architecture provides a mechanism for explicitly and uniformly capturing business occurrences, and provisions of contracts, policies, and law. Edee is able to reason about the interactions of intra-, inter-, and ext organizational policy, and execute business procedures informed by the combined legal effects of these diverse rules. We show through an example how Edee's asynchronous approach, namely to initiate actions only after consulting the database to de ...

**Keywords**: conflict detection, conflict resolution, contracts, policies

2 Sequential thematic organization of publications: how to achieve coherence in proposals and reports

J. R. Tracey, D. E. Rugh, W. S. Starkey

August 1999 **ACM SIGDOC Asterisk Journal of Computer Documentation**, Volume 23 Issue 3

Full text available: pdf(3.80 MB) Additional Information: full citation, index terms

3 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

Full text available: pdf(4.21 MB) Additional Information: full citation, abstract, references, index terms

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diag are often used to obtain a better understanding of the execution of the application. The visualization tool we us Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very comple do not provide the user with the desired overview of the application. In our experience, such tools display repe occurrences of non-trivial commun ...

4 Interactive Editing Systems: Part II

Norman Meyrowitz, Andries van Dam

September 1982 **ACM Computing Surveys (CSUR)**, Volume 14 Issue 3

Full text available: pdf(9.17 MB) Additional Information: full citation, references, citings, index terms

5 Service composition: Hybrid web service composition: business processes meet business rules

Anis Charfi, Mira Mezini

November 2004 **Proceedings of the 2nd international conference on Service oriented computing**

Terms used **profile guided optimization** AND **workflow** OR **business logic** OR **business flow**

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1 Demos: ATCT: a Java framework that offers new approach to developing asynchronous processes

Serguei Mourachov
October 2003 **Companion of the 18th annual ACM SIGPLAN conference on Object-oriented programming, systems, languages, and applications**
Full text available: pdf(116.06 KB) Additional Information: full citation, abstract, index terms

The development of modern loosely coupled distributed applications requires extensive use of asynchronous processes. The ability to manipulate execution context could simplify development of such applications, helping to separate business logic from handling asynchrony.This paper describes a framework that implements Execution Context Reification for Java Virtual Machine (JVM). The framework uses built-in secondary bytecode interpreter that provides access to Execution Context as a first class s ...

**Keywords**: Java framework, asynchronous processes, execution context reification

2 Coordination in MAS: Commitments and causality for multiagent design

Feng Wan, Munindar P. Singh
July 2003 **Proceedings of the second international joint conference on Autonomous agents and multiagent systems**
Full text available: pdf(248.77 KB) Additional Information: full citation, abstract, references, index terms

This paper unifies two recent strands of research in multiagent system design. One, commitments are widely recognized as capturing important aspects of interactions among agents, but current approaches tend to emphasize individual commitments and typically restrict themselves to interactions between pairs of agents. Two, methodologies for multiagent system design consider protocols and coordination requirements, but do not seriously accommodate commitments. This paper proposes a methodology to i ...

**Keywords**: Dooley graphs, commitments, conversation analysis, roles

3 OOPSLA onward!: Protocols for processes: programming in the large for open systems

Munindar P. Singh, Amit K. Chopra, Nirmit Desai, Ashok U. Mallya
December 2004 **ACM SIGPLAN Notices**, Volume 39 Issue 12
Full text available: pdf(378.93 KB) Additional Information: full citation, abstract, references, index terms

The modeling and enactment of business processes is being recognized as key to modern information managment. The expansion of Web services has increased the attention given to processes, because processes are how services are composed and put to good use. However, current approaches are inadequate for flexibly modeling and enacting processes. These approaches take a logically centralized view of processes, treating a process as an